

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER 91-157  
NPDES NO. CA0006653

WASTE DISCHARGE REQUIREMENTS FOR:

KAISER AEROTECH, INC.  
SAN LEANDRO, ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. Kaiser Aerotech, Inc., hereinafter called the discharger, located at 880 Doolittle Drive in San Leandro, by application dated June 22, 1989 has applied for reissuance of waste discharge requirements and a permit to discharge waste under the National Pollutant Discharge Elimination System (NPDES).
2. This facility is engaged in rocket parts manufacturing and carbon-graphite manufacturing.
3. The discharge consists of about 0.02 million gallons per day (MGD) of non-contact cooling water from autoclaves and furnaces. Water supplied by the East Bay Municipal Utilities Department is used for the cooling water. The discharge is into a storm drain which is tributary to San Francisco Bay.
4. The discharge is presently governed by Waste Discharge Requirements, Order No. 84-85 reissuing Order No. 79-15 which allows discharge into San Francisco Bay.
5. The U.S. Environmental Protection Agency (EPA) and the Board have classified this discharge as a minor discharge.
6. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Region (Basin Plan) in December 1986. The State Water Resources Control Board approved it in May 1987. The Basin Plan contains water quality objectives for San Francisco Bay.
7. The beneficial uses of San Francisco Bay are:
  - o Water contact recreation
  - o Non-contact water recreation
  - o Wildlife habitat
  - o Preservation of rare and endangered species

- o Fish migration and spawning
  - o Industrial service supply
  - o Navigation
  - o Commercial and sport fishing
  - o Shellfish harvesting
  - o Estuarine habitat
8. Effluent limitations, toxic effluent standards, established pursuant to Section 301, 304, and 307 of the Clean Water Act and amendments thereto are applicable to the discharge.
  9. Effluent limitation guidelines requiring the application of best available technology economically achievable (BAT) have not been promulgated by the U.S. Environmental Protection Agency for this type of discharge. Effluent limitations of the Order are based on the Basin Plan, State Plans and Policies, current plant performance, and best professional judgement. The limitations are considered to be those attainable by BAT, in the judgement of the Board.
  10. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000 of Division 13) of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.
  11. The Board has notified the discharger and interested agencies and persons of its intent to reissue waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
  12. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED THAT Kaiser Aerotech, Inc. in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Clean Water Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Prohibitions

1. The discharge to waters of the State shall be limited to non-contact cooling water.
2. The discharge shall not contain any chemical additives.

B. Effluent Limitations

1. The discharge shall not exceed the following limits:

<u>Constituent</u>	<u>Units</u>	<u>30-day Average</u>	<u>Daily Maximum</u>	<u>Instan- taneous Maximum</u>
Suspended Solids	mg/l	10	20	
Oil and Grease	mg/l	5	10	
Temperature	degrees F			86

2. The pH of the discharge shall be between 6.5 and 8.5 pH units.

3. In any representative set of samples, the waste as discharged shall meet the following limit of quality:

TOXICITY: The survival of three-spine stickleback and fathead minnow (or rainbow trout) in a 96-hour bioassay shall not be less than the following:

A median of 90 percent survival and a 90 percentile value of not less than 70 percent survival.

B. Receiving Water Limitations

1. The discharge of waste shall not cause the following conditions to exist in waters of the State at any place:
- Floating, suspended, or deposited macroscopic particulate matter or foam;
  - Bottom deposits or aquatic growths;
  - Alteration of temperature, turbidity, or apparent color beyond present natural background levels;
  - Visible, floating, suspended, or deposited oil or other products of petroleum origin;
  - Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

2. The discharge of waste shall not cause the following limits to be exceeded in waters of the State in any place within one foot of the water surface:
  - a. Dissolved Oxygen 5.0 mg/L minimum. Median of any three consecutive months shall not be less than 80% saturation.  
When natural factors cause lesser concentration(s) than those specified above, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.
  - b. pH Variation from natural ambient pH by more than 0.5 pH units.
  - c. Un-ionized ammonia 0.025 mg/L as N Annual Median  
0.4 mg/L as N maximum.
3. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Clean Water Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Clean Water Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

C. Provisions

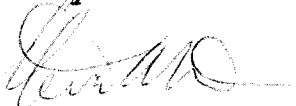
1. The discharger shall comply with all sections of this order immediately upon adoption.
2. The requirements prescribed by this Order supersede the requirements prescribed by Order Nos. 84-85 and 79-15 adopted on December 18, 1984 and February 20, 1979 respectively. Order No. 79-15 is hereby rescinded. Those portions of Order No. 84-85 applicable to Kaiser Aerotech are hereby rescinded.
3. The discharger shall review and update annually its contingency plan as required by Board Resolution No. 74-10. The discharge of pollutants in violation of this Order where the discharger has failed to develop and/or implement a contingency plan will be basis for considering such discharge a willful and negligent violation of this Order pursuant to Section 13387 of the

California Water Code.

4. The discharger shall comply with the self-monitoring program as adopted by the Board and as may be amended by the Executive Officer.
5. The discharger shall comply with all items of the attached "Standard Provisions, Reporting Requirements and Definitions" dated December 1986, except items B.2 and C.8.
6. All applications, reports, or information submitted to the Regional Board shall be signed and certified pursuant to Environmental Protection Agency regulations (40 CFR 122.41K).
7. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the Discharger, the Discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this office.
8. Pursuant to Environmental Protection Agency regulations [40 CFR 122.42(a)] the Discharger must notify the Regional Board as soon as it knows or has reason to believe (1) that they have begun or expect to begin, use or manufacture of a pollutant not reported in the permit application, or (2) a discharge of a toxic pollutant.
9. This Order expires November 20, 1996. The discharger must file a report of waste discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.
10. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Clean Water Act or amendments thereto, and shall become effective 10 days after date of its adoption provided the Regional Administrator, Environmental Protection Agency, has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.

I, Steven R. Ritchie, Executive Officer do hereby certify the foregoing is a full, true and correct copy of an Order adopted by

the California Regional Water Quality Control Board, San Francisco  
Bay Region on November 20, 1991.



STEVEN R. RITCHIE  
Executive Officer

**Attachments:**

Self Monitoring Program  
Resolution 74-10

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

KAISER AEROTECH, INC.

SAN LEANDRO, ALAMEDA COUNTY

NPDES NO. CA0006653

ORDER NO. 91-157

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

KAISER AEROTECH, INCORPORATED  
880 DOOLITTLE STREET  
SAN LEANDRO, CA

PART A. GENERAL

1. Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383 and 13387(b) of the California Water Code and this Regional Board's Resolution 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as a self-monitoring program are: (1) to document compliance with waste discharge requirements and prohibitions established by this Regional Board; (2) to facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge; (3) to develop or assist in the development of effluent or other limitations, discharge prohibitions, national standards of performance, pretreatment and toxicity standards, and other standards; and (4) to prepare water and wastewater quality inventories.

2. Self-Monitoring Program

Written reports shall be filed quarterly. The reports shall be comprised of the following:

Letter of Transmittal

A letter transmitting self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the last reporting period and actions taken or planned for correcting violations, such as operation modifications and/or facilities expansion. Monitoring reports and the letter transmitting reports shall be signed by either a principal executive officer, ranking elected official, or other duly authorized employee.

The letter shall contain a statement by the official, under penalty of perjury, that to the best of the



signer's knowledge the report is true and correct.

3. Annual Reporting

By January 30 of each year, the discharger shall submit an annual report to the Regional Board covering the previous calendar year. The report shall contain a comprehensive discussion of the compliance record and the corrective actions taken or planned which may be needed to bring the discharger into full compliance with the waste discharge requirements.

PART B. MONITORING SPECIFICATIONS

I. DESCRIPTION OF SAMPLING STATIONS

A. Effluent

Station

Description

E-1	At any point in the outfall between the point of discharge and the point at which all waste tributary to the outfall is present.
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II. SCHEDULE OF SAMPLING AND ANALYSIS

The schedule of sampling and analysis shall be as follows:

<u>Station</u>	<u>Type of Sample</u>	<u>Analysis</u>	<u>Units</u>
E-1	24 hour average	Flow	MGD
	Grab	Suspended Solids	mg/l
	Grab	Oil and Grease	mg/l
	Grab	Temperature	degrees F
	Grab	pH	pH units
	Grab	Fish Bioassay	% survival

Sampling shall be done quarterly except for the fish bioassay which shall be done each September.

C. REPORTS TO BE FILED WITH THE REGIONAL BOARD

Violation of Requirements

In the event the discharger is unable to comply with conditions of the waste discharge requirements or prohibitions

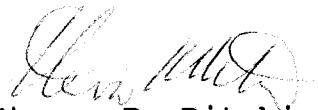
due to:

- a. Maintenance work, power failures, or breakdown of waste treatment equipment, or
- b. Accidents caused by human error or negligence, or
- c. Other causes such as acts of nature,

the discharger shall notify the Regional Board office by telephone immediately upon obtaining knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the non-compliance and an explanation of the procedures taken to prevent the problem from recurring.

I, Steven R. Ritchie, Executive Officer, hereby certify that the foregoing self-monitoring program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 91-157
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions may be ordered by the Executive Officer.

  
Steven R. Ritchie  
Executive Officer

DATE ORDERED November 20, 1991